

# ROYAL SOCIETY.

## METEOROLOGY FOR JANUARY, 1866.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of month.	Bar. 37 feet abv. sea level, cor. & reduced		Self - register- ing Thermo- meters.				Wind.		Rain in inches.
	Highest.	Lowest.	Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.	Direction from three daily registers.	Force in lbs. per square foot.	
	In.	In.	°	°	°	°			
1	29.745	29.641	87	55	125.0	53.5	NW SE	1.30	
2	29.776	29.772	82	54	109.0	52.5	W NW W	3.64	
3	29.942	29.832	75	50	105.0	49.5	NW SW	3.38	0.02
4	29.072	29.915	70	42	93.0	40.5	NW W SE	1.04	
5	29.776	29.705	73	53	89.0	50.5	NW SE	.26	
6	29.617	29.398	74	59	112.0	56.5	S SE	.78	
7	29.373	29.297	75	56	114.0	55.0	NW W	8.33	
8	29.496	29.412	74	56	108.0	56.0	NW W	10.41	
9	29.865	29.714	69	50	89.0	48.5	NW SW	.78	
10	30.034	29.920	73	50	110.0	49.0	NW W SE	1.04	
11	29.922	29.817	76	50	116.0	51.0	N NW S	.78	
12	29.972	29.613	78	50	114.0	50.0	NW SE S	1.30	
13	29.448	29.370	75	57	110.0	56.5	NW W	5.46	
14	29.894	29.726	74	54	113.5	53.5	NW	5.46	
15	29.959	29.905	73	50	109.0	52.5	S SE	.78	
16	29.824	29.778	87	55	120.0	55.5	E NE SE	1.04	
17	29.921	29.910	80	54	81.5	55.0	NE SE S	.52	
18	29.872	29.801	74	50	104.0	49.0	NW SE	2.86	0.01
19	30.049	30.024	60	42	103.0	40.5	SW W	5.72	
20	30.155	30.099	69	53	97.5	52.5	E SE	.78	
21	30.222	30.187	70	58	108.0	54.0	SE	1.30	0.03
22	30.209	30.151	64	54	69.0	55.5	SE E	.26	0.06
23	30.109	30.009	74	54	112.0	53.5	NE SE	.52	
24	29.953	29.631	83	55	123.0	49.5	NW SE	1.04	
25	29.824	29.691	77	53	111.5	56.0	NW SW	5.72	
26	29.957	29.915	70	49	107.0	46.0	SW SE S	.52	
27	29.882	29.863	68	52	106.0	52.0	NE SE E	.52	
28	30.080	29.996	67	55	79.0	54.0	NW SE SW	2.86	
29	30.136	30.087	72	55	107.0	55.0	NW SE	2.86	
30	30.126	29.963	77	53	113.0	50.5	NW SE	.78	
31	29.994	29.852	78	50	115.0	50.5	NW SE S	3.38	
Mean 29.856, 63.47 105.6 51.74. Total force 75.42 0.12									

The mean in all cases is taken from the sums of the three daily registers, and not from the maximum and minimum.

The direction of the wind is registered from currents moving at a height of 192 feet, and the force according to Lind's Wind Gauge. The supposition, however, of an uniform velocity during the month is a very arbitrary one, and the results can be considered only approximately correct.

The relations of the quantities of rain which fell under the different winds, are registered each evening at sundown.

The twenty years' standard tables are used for obtaining the difference from the average.



*Leafing, Flowering, and Fruiting of a Few Standard Plants  
in the Royal Society's Gardens during the Month :—*

- 8th. *Veronica angustifolia* in full flower.  
10th. First ripe Turkey apricot gathered.  
20th. *Grevillea robusta* in full flower.  
24th. First ripe Jargonelle pear gathered.  
26th. *Catalpa syringæfolia* in flower.  
28th. Black mulberries commencing to ripen.

Barometer mean, 29·856in., being 0·141in. above the average.  
Temperature mean, 62·13°, being 1·44° below the ditto.  
Solar intensity mean, 105·6°, being 5·6° ditto.  
Dew point mean position, 49·0°, being 1·69° ditto.  
Humidity of air mean, ·66, being ·2 per cent. ditto.  
Elastic force of vapor mean, ·372, being ·008 per cent. below the average.  
Total amount of rain, 0·12in., being 1·38in. ditto.  
Increase of spontaneous evaporation on rainfall 6·27 inches.  
Mean amount of ozone, 6·84, being 0·29 of chromatic scale above the average.  
Electricity active on the 2nd, 4th, 8th, 9th, 10th, 11th, 13th, 14th, 19th, 25th, 26th, and 27th.  
Sea breezes most days, p.m. Lightning on the 6th. Great evaporation all through the month.

FRANCIS ABBOTT.



Abbott, Francis. 1866. "Meteorology for January, 1866." *Papers and proceedings of the Royal Society of Tasmania* 1-2.

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